

CENTER FOR SPACE ENGINEERING RESEARCH
Frank J. Redd, Utah State University

CONTRACT AMOUNT: \$675,000

The main focus is to bring University Space Engineering resources to bear on the support of locally based space enterprises, encourage innovative research leading to spinoffs of new industry, attract new space industry to Utah, and produce experience graduates ready to join an expanding state employment base in space industries.

A new company, ICOMP, has been formed to market the data compression technology developed at USU. This technology development has enormous market potential. The CIRRIIS has been manifested for an early 1990 flight on the space shuttle.

<u>Matching Funds</u>	<u>In-Kind</u>	<u>Cash</u>
<u>Source</u>		
Globesat Inc.		\$ 200,000.00
UNISYS		30,970.00
Space Systems Engineering		12,705.00
Morton-Thiokol		223,100.00
Learn Inc.		14,060.00
Fibertek		7,200.00
McDonnell Douglas		50,252.00
USAF/Spirit II		18,400,000.00
USAF/ARII		16,108,739.00
DNA/EXCEED		2,950,209.00
USAF/AFGL (056)		3,396,168.00
NASA/Space Exp. Design		300,000.00
USAF/CIRRIIS		1,229,534.00
NASA/Space Sys. Design		44,968.00
DOD/SDI		<u>25,000,000.00</u>
	<u>TOTAL</u>	<u>\$ 67,967,905.00</u>

Companies Associated Since Beginning of Contract

1. Aerodyne Research
2. Aerojet Research
3. ASTRON Res. and Eng.
4. Ball Aerospace, Co.
5. Boeing Aerospace Corp.
6. Fiberscience Corp.
7. Fibertek
8. Globesat Inc.
9. Hercules Aerospace
10. Honeywell Space Systems
11. Hughes Aircraft, Co.
12. ICOMP
13. Intraspace, Inc.

14. Irvine Sensors, Inc.
15. Learn Inc.
16. Lockheed Space & Missiles
17. Martin Maietta Space
18. McDonnell-Douglas
19. Morton-Thiokol
20. Nichols Research, Co.
21. Orbital Sciences, Corp.
22. Rockwell International
23. SAIC
24. Sensor Systems Group
25. Space Data Corporation
26. Space Systems Engineering
27. UNISYS

Center for Space Engineering Contract #87-0351

<u>Payments</u>	<u>Amount</u>	<u>Balance</u>
17 Jan 87	\$ 16,335.92	\$458,664.08
01 Jan 87	32,651.59	426,012.49
23 Jul 87	82,268.57	343,743.92
23 Jul 87	52,093.32	291,650.60
10 Dec 87	149,329.02	142,321.52
21 Mar 88	41,107.04	101,214.48
Amendment +	200,000.00	301,214.48
05 Apr 88	200,000.00	101,214.48

Total Payments: \$ 573,785.46